## What is claimed:

1	1. A billiard cue comprising:			
2	a shaft having a wall with an outer surface between a first tip end and a			
3	second end, a bore extending from the first tip end for at least a predetermined			
4	distance along the length of the shaft toward the second end, the shaft having a wall			
5	thickness of about 0.005 inches to about 0.050 inches between opposed ends of the			
6	bore, the bore reducing the mass of the tip end to minimize cue ball deflection on			
7	impact with the cue.			
1	The billiard cue of claim 1 further comprising:			
2	the shaft formed of fibers disposed in a binder.			
1	3. The billiard cue of claim 2 wherein the fibers are carbon fibers			
2	disposed in an expoxy resin binder.			
1	4. The billiard cue of claim 3 wherein the shaft is formed of a			
2	material having a modulus of elasticity greater than or equal to $4.3 \times 10^6$ P.S.I.			
1	5. The billiard cue of claim 1 wherein the bore extends from about			
2	4 to about 5 inches from the first tip end of the shaft.			
1	6. The billiard cue of claim 1 wherein the shaft is formed of a			
2	material having a modulus of elasticity greater than or equal to 4.3 x 10 <sup>6</sup> P.S.I.			
1	7. The billiard cue of claim 1 wherein:			
2	the shaft has a tip portion extending from the first tip end; and			
3	the bore extending from the first tip end only through the tip portion of			
4	the shaft.			

1		8.	The billiard cue of claim 1 further comprising:
2		a ligh	ntweight, non-structural material disposed in at least a portion of
3	the bore.		